



PATENT
Attorney Docket No. MFL-004
5407/11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Zheng et al. CONFIRMATION NO.: 3942
SERIAL NO.: 10/791,218 GROUP NO.: 1732
FILING DATE: March 2, 2004 EXAMINER: Not yet assigned
TITLE: Apparatus and Methods for Predicting Properties of Processed Material

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the foreign patent documents and non-patent publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1) within three (3) months of the **filin** **g date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or

(2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and

the requisite Statement is below, **OR**

the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

(3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**

- the requisite Statement is below, AND
- the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

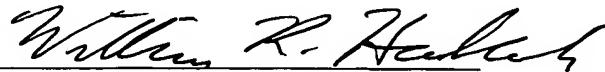
It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
- 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,



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FORM PTO - 1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT					ATTORNEY DOCKET NO.: MFL-004 APPLICANT(S): Zheng <i>et al.</i> SERIAL NO.: 10/791,218 FILING DATE: March 2, 2004 GROUP: 1732			
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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A40	6,136,235	10/24/2000	Saito <i>et al.</i>			07/01/1998

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
	B13	09262887	10/07/1997	JP				Y	Y (Abstract Only)
	B14	10138312	05/26/1998	JP				Y	Y (Abstract Only)
	B15	10156885	06/16/1998	JP				N	Y (Abstract Only)
	B16	2002219739	08/06/2002	JP				N	Y (Abstract Only)

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
C98		Bird <i>et al.</i> , <u>Dynamics of Polymeric Liquids</u> , 2 nd ed. Vol. 2, John Wiley & Sons, New York (1987).
C99		Guo <i>et al.</i> , "Numerical Simulation of Injection Molding of Semicrystalline Thermoplastics," <u>Antec, Plastic the Lone Star 2001</u> , 1:1-5 (2001).
C100		Guo <i>et al.</i> , "On the Prediction of Crystallinity Distribution in Injection Molded Semi-Crystalline Thermoplastics," <u>Antec 2000, Plastic the Magical Solution</u> , 1:1-5 (2000).
C101		Liu, "Isothermal Flow Simulation of Liquid Composite Molding," <u>Composites</u> , Part A 31:1295-1302 (2000).
C102		Muslet <i>et al.</i> , "Computer Simulation of the Film Blowing Process Incorporating Crystallization and Viscoelastic Effects," <u>Antec</u> , 3:3241-3245 (2003).
C103		Pouzada <i>et al.</i> , "The Use of Morphology Data in the Design of Injection Moulded Flat Products," <u>Antec, Plastics Bridging the Millennium</u> , 3:1-5 (1999).
C104		Tanner, "Engineering Rheology, 2 nd ed.," Oxford University Press, London (2000).
C105		Zheng <i>et al.</i> , "A Model for Post-Flow Induced Crystallization: General Equations and Predictions," <u>The Society of Rheology, Inc.</u> , 48(4):823-842 (2004).
C106		Ziabicki, "Fundamentals of Fiber Formation," (Wiley, New York, 1976).
C107		International Search Report for International Application No. PCT/US2004/006256, dated August 16, 2004 (6 pages).

EXAMINER	DATE CONSIDERED
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<p style="text-align: center;">TRANSMITTAL FORM</p> <p style="text-align: center;">O 1 P E NOV 16 2004 P A T E N T & T R A D E M A R K O F F I C E U S P T O</p> <p style="text-align: center;">O 1 P E NOV 16 2004 P A T E N T & T R A D E M A R K O F F I C E U S P T O</p>	Application Serial Number	10/791,218
	Filing Date	March 2, 2004
	First Named Inventor	Zheng
	Group Art Unit	1732
	Examiner Name	Not yet assigned
	Attorney Docket No.	MFL-004
	Patent No.	Not applicable
	Issue Date	Not applicable

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <ul style="list-style-type: none"> <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form 	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____] 	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations B13-B16 and C98-C107 	<input type="checkbox"/> Small Entity Statement	<input type="checkbox"/> Additional Enclosure (please identify below)
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD(s) for large table or computer program	
<input type="checkbox"/> Sequence Listing submission <ul style="list-style-type: none"> <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above 	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <ul style="list-style-type: none"> <input type="checkbox"/> Certificate of Correction (in duplicate) 	

CORRESPONDENCE ADDRESS**SIGNATURE BLOCK**

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